

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> --WHERE ROWNUM = 1 --Successful
SQL> --WHERE ROWNUM = 4 --Not Successful
SQL> --WHERE ROWNUM < 4 --Successful
SQL> --WHERE ROWNUM > 4 --NOT Successful
SQL> SELECT ROWNUM, Ename, Sal
2 FROM Emp;

ROWNUM	ENAME	SAL
1	KING	5000
2	BLAKE	2850
3	CLARK	2450
4	JONES	2975
5	MARTIN	1250
6	ALLEN	1600
7	TURNER	1500
8	JAMES	950
9	WARD	1250
10	FORD	3000
11	SMITH	800
12	SCOTT	3000
13	ADAMS	1100
14	MILLER	1300

14 rows selected.

SQL> ED

Wrote file afiedt.buf

1 SELECT ROWNUM, Ename, Sal
2 FROM Emp
3* WHERE Deptno = 10
SQL> /

ROWNUM	ENAME	SAL
1	KING	5000
2	CLARK	2450
3	MILLER	1300

SQL> ED

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```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3*  WHERE Deptno = 30
SQL> /
```

ROWNUM	ENAME	SAL
1	BLAKE	2850
2	MARTIN	1250
3	ALLEN	1600
4	TURNER	1500
5	JAMES	950
6	WARD	1250

6 rows selected.

```
SQL> cl scr
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3*  ORDER BY Sal
SQL> /
```

ROWNUM	ENAME	SAL
11	SMITH	800
8	JAMES	950
13	ADAMS	1100
9	WARD	1250
5	MARTIN	1250
14	MILLER	1300
7	TURNER	1500
6	ALLEN	1600
3	CLARK	2450
2	BLAKE	2850
4	JONES	2975
10	FORD	3000
12	SCOTT	3000
1	KING	5000

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14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3* ORDER BY ROWNUM
SQL> /
```

ROWNUM	ENAME	SAL
1	KING	5000
2	BLAKE	2850
3	CLARK	2450
4	JONES	2975
5	MARTIN	1250
6	ALLEN	1600
7	TURNER	1500
8	JAMES	950
9	WARD	1250
10	FORD	3000
11	SMITH	800
12	SCOTT	3000
13	ADAMS	1100
14	MILLER	1300

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT ROWNUM, Ename, Sal
2  FROM Emp
3* ORDER BY ROWNUM DESC
SQL> /
```

ROWNUM	ENAME	SAL
14	MILLER	1300
13	ADAMS	1100
12	SCOTT	3000
11	SMITH	800
10	FORD	3000

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```
9 WARD 1250
8 JAMES 950
7 TURNER 1500
6 ALLEN 1600
5 MARTIN 1250
4 JONES 2975
3 CLARK 2450
2 BLAKE 2850
1 KING 5000
```

14 rows selected.

SQL> cl scr

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
2 FROM Emp
3 /
```

ROWNUM	EMPNO	ENAME	SAL
1	7839	KING	5000
2	7698	BLAKE	2850
3	7782	CLARK	2450
4	7566	JONES	2975
5	7654	MARTIN	1250
6	7499	ALLEN	1600
7	7844	TURNER	1500
8	7900	JAMES	950
9	7521	WARD	1250
10	7902	FORD	3000
11	7569	SMITH	800
12	7788	SCOTT	3000
13	7876	ADAMS	1100
14	7934	MILLER	1300

14 rows selected.

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
2 FROM Emp
3 WHERE ROWNUM = 1;
```

ROWNUM	EMPNO	ENAME	SAL
1	7839	KING	5000

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```
SQL> SELECT ROWNUM, Empno, Ename, Sal
2 FROM Emp
3 WHERE ROWNUM = 4;
```

no rows selected

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
2 FROM Emp
3 WHERE ROWNUM < 4;
```

ROWNUM	EMPNO	ENAME	SAL
1	7839	KING	5000
2	7698	BLAKE	2850
3	7782	CLARK	2450

```
SQL> SELECT ROWNUM, Empno, Ename, Sal
2 FROM Emp
3 WHERE ROWNUM > 4;
```

no rows selected

```
SQL> cl scr
```

```
SQL> COLUMN SelectGraph FORMAT A16
SQL> SELECT
2 Ename,
3 LPAD(' ', ROWNUM, '*') SelectGraph
4 FROM Emp;
```

ENAME	SELECTGRAPH
KING	*
BLAKE	*
CLARK	**
JONES	***
MARTIN	****
ALLEN	*****
TURNER	****
JAMES	*****
WARD	*****
FORD	*****
SMITH	*****

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```
SCOTT      *****
ADAMS      *****
MILLER     *****
```

14 rows selected.

```
SQL> ED
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```

```
1  SELECT
2  Ename,
3  LPAD(' ' , ROWNUM, ' ') SelectGraph,
4  Sal
5  FROM Emp
6* ORDER BY Sal
SQL> /
```

ENAME	SELECTGRAPH	SAL
SMITH	*****	800
JAMES	*****	950
ADAMS	*****	1100
WARD	*****	1250
MARTIN	*****	1250
MILLER	*****	1300
TURNER	*****	1500
ALLEN	*****	1600
CLARK	***	2450
BLAKE	**	2850
JONES	****	2975
FORD	*****	3000
SCOTT	*****	3000
KING	*	5000

14 rows selected.

```
SQL> COLUMN SelectGraph FORMAT A16
SQL> COLUMN SalGraph FORMAT A20
SQL> SELECT
1  Ename,
2  LPAD(' ' , ROWNUM, ' ') SelectGraph,
3  LPAD(' ', Sal/500, ' ') SalGraph
4  FROM Emp;
```

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ENAME	SELECTGRAPH	SALGRAPH
KING	*	*****
BLAKE	**	*****
CLARK	***	*****
JONES	****	*****
MARTIN	*****	**
ALLEN	*****	***
TURNER	*****	***
JAMES	*****	*
WARD	*****	**
FORD	*****	*****
SMITH	*****	*
SCOTT	*****	*****
ADAMS	*****	**
MILLER	*****	**

14 rows selected.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  ROWNUM Seqno,
3  LPAD(' '* , ROWNUM, '*') Pattern
4  FROM Emp
5* WHERE ROWNUM <= 5
SQL> /
```

SEQNO

PATTERN

*

2

**

3

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4

5

```
SQL> COL Pattern FORMAT A10
SQL> R
  1 SELECT
  2 ROWNUM Seqno,
  3 LPAD(' '* , ROWNUM, '*') Pattern
  4 FROM Emp
  5* WHERE ROWNUM <= 5
```

```
      SEQNO PATTERN
-----
      1 *
      2 **
      3 ***
      4 ****
      5 *****
```

```
SQL> ED
Wrote file afiedt.buf
```

```
  1 SELECT
  2 ROWNUM Seqno,
  3 LPAD(' '* , ROWNUM, '*') Pattern
  4 FROM Emp
  5 WHERE ROWNUM <= 5
  6* ORDER BY ROWNUM DESC
SQL> /
```

```
      SEQNO PATTERN
-----
      5 *****
      4 *****
      3 ***
      2 **
      1 *
```

```
SQL> cl scr
```

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```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  ROWNUM Seqno, Ename, Sal
3  FROM Emp
4* ORDER BY Sal
SQL> /
```

SEQNO	ENAME	SAL
11	SMITH	800
8	JAMES	950
13	ADAMS	1100
9	WARD	1250
5	MARTIN	1250
14	MILLER	1300
7	TURNER	1500
6	ALLEN	1600
3	CLARK	2450
2	BLAKE	2850
4	JONES	2975
10	FORD	3000
12	SCOTT	3000
1	KING	5000

14 rows selected.

```
SQL> SELECT ROWNUM, Ename, Sal
2  FROM Emp
3  WHERE ROWNUM < 6
4  ORDER BY Sal DESC;
```

ROWNUM	ENAME	SAL
1	KING	5000
4	JONES	2975
2	BLAKE	2850
3	CLARK	2450
5	MARTIN	1250

```
SQL> ED
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```

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```
1  SELECT ROWNUM, Ename, Sal
2  FROM
3  (
4  SELECT
5  Ename, Sal
6  FROM Emp
7  ORDER BY Sal
8* )
SQL> /
```

ROWNUM	ENAME	SAL
1	SMITH	800
2	JAMES	950
3	ADAMS	1100
4	WARD	1250
5	MARTIN	1250
6	MILLER	1300
7	TURNER	1500
8	ALLEN	1600
9	CLARK	2450
10	BLAKE	2850
11	JONES	2975
12	FORD	3000
13	SCOTT	3000
14	KING	5000

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT *
2  FROM
3  (
4  SELECT Ename, Sal, Deptno, Job
5  FROM Emp
6  ORDER BY Sal DESC
7  )
8  WHERE ROWNUM < 6;
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT

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```
FORD          3000          20 ANALYST
SCOTT         3000          20 ANALYST
JONES         2975          20 MANAGER
BLAKE         2850          30 MANAGER
```

SQL> cl scr

```
SQL> SELECT LEVEL, ROWNUM, Ename, Sal
  2 FROM Emp
  3 WHERE ROWNUM < 6
  4 START WITH Ename = 'KING'
  5 CONNECT BY PRIOR Empno = MGR
  6 ORDER BY Sal DESC;
```

LEVEL	ROWNUM	ENAME	SAL
1	1	KING	5000
3	3	SCOTT	3000
3	5	FORD	3000
2	2	JONES	2975
4	4	ADAMS	1100

SQL> cl scr

```
SQL> SELECT E1.*, E1.Sal * 12 AnnSal
  2 FROM
  3 (
  4 SELECT Ename, Sal, Deptno, Job
  5 FROM Emp
  6 ORDER BY Sal DESC
  7 ) E1
  8 WHERE ROWNUM < 6;
```

ENAME	SAL	DEPTNO	JOB	ANNSAL
KING	5000	10	PRESIDENT	60000
FORD	3000	20	ANALYST	36000
SCOTT	3000	20	ANALYST	36000
JONES	2975	20	MANAGER	35700
BLAKE	2850	30	MANAGER	34200

SQL> cl scr

SQL> SELECT ROWNUM, E1.*

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```
2 FROM
3 (
4 SELECT ROWNUM, Ename, Sal, Deptno, Job
5 FROM Emp
6 ORDER BY Sal DESC
7 ) E1
8 WHERE ROWNUM < 6;
```

ROWNUM	ROWNUM	ENAME	SAL	DEPTNO	JOB
1	1	KING	5000	10	PRESIDENT
2	10	FORD	3000	20	ANALYST
3	12	SCOTT	3000	20	ANALYST
4	4	JONES	2975	20	MANAGER
5	2	BLAKE	2850	30	MANAGER

SQL> SPOOL OFF

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